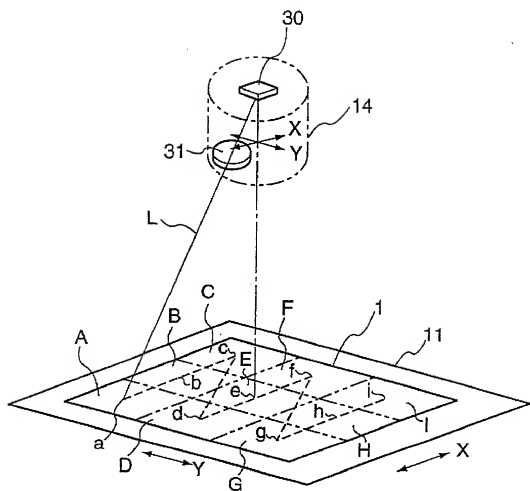


FIG. 1



*FIG. 2*

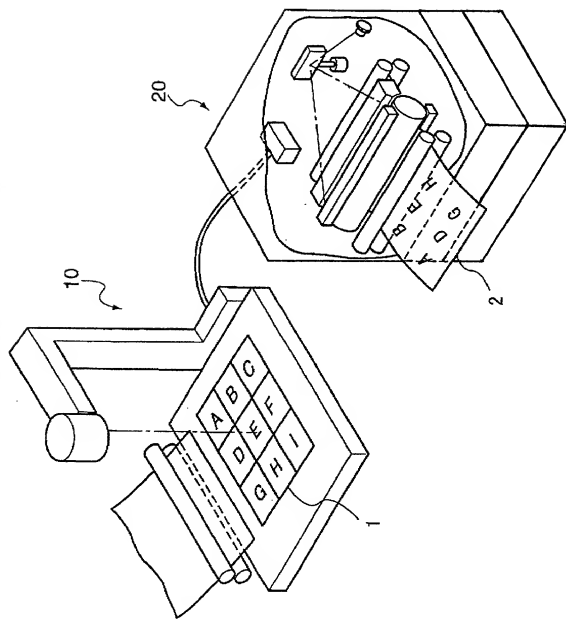


FIG. 3

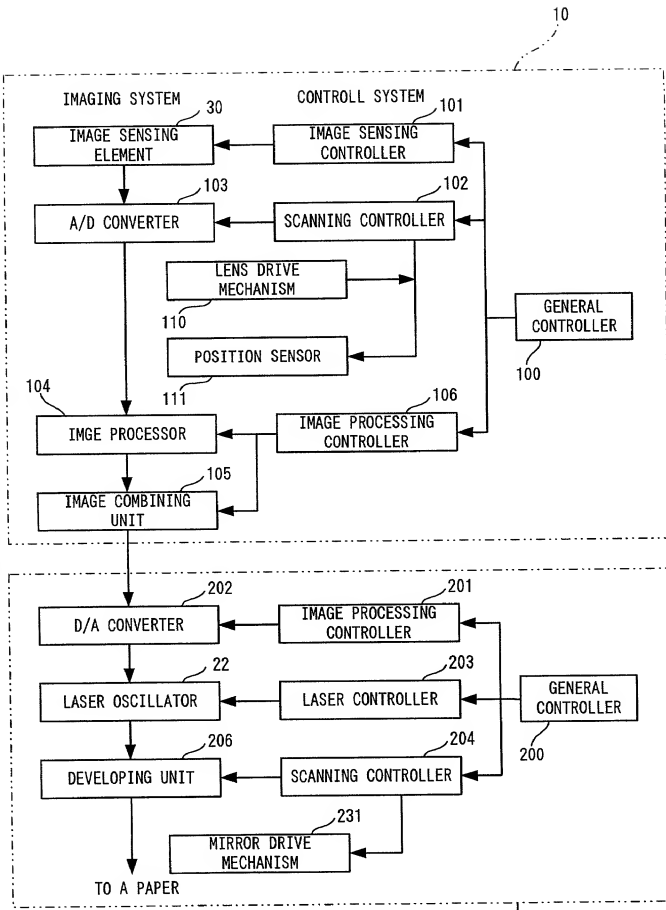
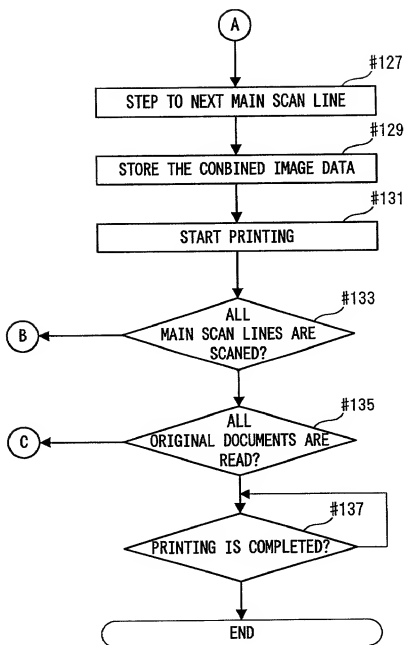


FIG. 4

```
graph TD; START([START]) --> J1{#105 IMAGE INPUT IS INITIATED?}; J1 -- NO --> J1; J1 -- YES --> A1[ACTIVATE THE OUTPUT DEVICE]; A1 --> J2{#105 DOCUMENT IS SET?}; J2 -- NO --> A2[DRIVE THE DOCUMENT FEEDER #107]; A2 --> J2; J2 -- YES --> B1[DETERMINE THE READING SEQUENCE #106]; B1 --> J3{DOCUMENT IS SET? #109}; J3 -- YES --> J4{THE MAIN SCAN IS COMPLETE? #119}; J3 -- NO --> A3[MOVE THE TAKING LENS #111]; A3 --> S1[SENSE THE IMAGE #113]; S1 --> P1[PROCESS THE IMAGE #115]; P1 --> ST1[STORE THE IMAGE DATA #117]; ST1 --> J4; J4 -- NO --> B((B)); B --> A3; J4 -- YES --> R1[READ THE DIGITAL DATA #121]; R1 --> P2[PASTE THE IMAGES #123]; P2 --> O1[OUTPUT THE COMBINED IMAGE DATA #125]; O1 --> A((A))
```

The flowchart illustrates the main scan process. It begins with a "START" terminal leading to decision point #105, "IMAGE INPUT IS INITIATED?". If no input is initiated, it loops back to the start. If yes, it proceeds to "ACTIVATE THE OUTPUT DEVICE". This leads to another decision point #105, "DOCUMENT IS SET?". If not set, it triggers "DRIVE THE DOCUMENT FEEDER" (#107) and loops back to check if the document is set. Once set, it moves to "DETERMINE THE READING SEQUENCE" (#106). The next step is a decision point "DOCUMENT IS SET?" (#109). If yes, it skips to "THE MAIN SCAN IS COMPLETE?" (#119). If no, it performs "MOVE THE TAKING LENS" (#111), followed by "SENSE THE IMAGE" (#113), "PROCESS THE IMAGE" (#115), and "STORE THE IMAGE DATA" (#117), before reaching the completion check. If the main scan is complete, it proceeds to "READ THE DIGITAL DATA" (#121), "PASTE THE IMAGES" (#123), and finally "OUTPUT THE COMBINED IMAGE DATA" (#125), which leads to terminal A. If not complete, it branches to connector B, which loops back to the lens movement step (#111).

FIG. 5



*FIG. 6*

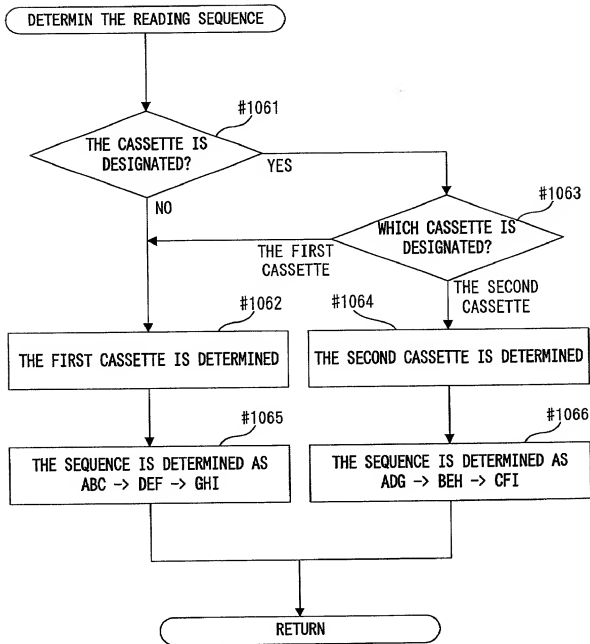


FIG. 7